

To: Olinger, Keith[Olinger.Keith@epa.gov]; Sandra Valle[svalle@toeroek.com]; Dreyfus, Bethany[Dreyfus.Bethany@epa.gov]; Jennifer Ledesma[Jennifer.Ledesma@ch2m.com]
From: Lee, Alana
Sent: Thur 9/4/2014 3:19:55 AM

Ex. 5 - Deliberative Process

I had a follow-up call with Alison Turner, City of Mtn View, today. Mike Mulhearn is out this week.

Below are a few follow-up items we discussed. Let's cover during our Thursday meeting/call.

- She didn't have additional information regarding the East Trunk sewer. She asked whether we had reviewed the construction diaries as that may be the best way to piece together the chronology. I said I would check with you.
- She didn't necessarily think it was subsidence as the reason for the different MH elevations in Item #1. She said it could be the change in benchmarks. She believes NAV27 is currently used. She will try to check. Please check if we have any info on that as well. When Mike returns next week, we will schedule field visit to pop open MHs and confirm depths, etc. I plan to attend. We can discuss who else should be present.
- She asked whether we reviewed building plans for specific properties of interest. If not, we can request from City and she will try to assist. She indicated this may provide details on sump locations, etc., and mentioned 515 Whisman. I asked whether City could assist with residential properties (e.g., residential properties on Evandale, etc). She wasn't sure if City would have residential plans, but we could request. Let's discuss.

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From: Turner, Alison [<mailto:alison.turner@mountainview.gov>]
Sent: Wednesday, August 20, 2014 1:31 PM
To: Lee, Alana
Cc: Mulhearn, Mike; Fuller, Michael; Plambaeck, Scott
Subject: RE: EPA Updated Information Request - Sewer Information

Hi Alana-

I think we need to talk to clarify the questions. Mike and I will call you next week when I return from vacation. Answers are annotated below.

Alison

From: Lee, Alana [<mailto:lee.alana@epa.gov>]
Sent: Tuesday, August 19, 2014 5:36 AM
To: Fuller, Michael; Turner, Alison
Cc: Plambaeck, Scott; Fuller, Michael
Subject: EPA Updated Information Request - Sewer Information

Hi Mike and Alison,

Thank you for providing all the valuable information and for working so closely with EPA. EPA has made a lot of progress and we are now in need groundtruthing some of the information provided on sewer and stormwater pipe attributes. EPA needs your help in verifying specific features. See our EPA's questions below. I have also included previous EPA questions that are still remaining.

New EPA Questions – 8/19/2014

1. Various sources show different sewer and stormwater pipe and/or manhole depths and elevations. For example, the GIS data the City provided lists the manhole invert depth for MH F5-054 as 17.42 ft bgs, while the sewer map provided by the City (Map F5) show the depth for this same manhole as 12.3 ft bgs. Are these two different lines (one sewer and the other storm?). As-builts from the 1960s and 1970s also show inconsistent pipe invert depths. EPA needs verified pipe attribute information including: pipe elevation and/or depth, ground elevation at the location of the pipe, and pipe segment length.

o Has the City verified the depths/elevations and lengths of the sewer and storm pipes that run along Evandale Ave., west across the Gateway Easement? If so, when was that verification conducted? EPA is requesting this information.

o If the City does not have verified sewer and storm pipe attribute information, EPA is requesting the City's support in obtaining this information for EPA.

o During a 1/16/2014 EPA meeting with the City, Mike Mulhearn stated that the Public Works Dept. had looked for visual signs of the abandoned line on Evandale but did not find any. Can you describe how the City went about looking for visual signs of the abandoned line? EPA is

requesting the City's support in taking a closer look to see if the abandoned line can be located and verify such attributes as the pipe length, pipe depth and connection to a manhole.

2. Sewer pipe collapse

a. Letters dated 3/20/1960 and 4/20/1960 from the Assistant Director of Public Works describes an Evandale Trunk sewer collapse that occurred "adjacent to and west of Moffett Interchange." Please confirm the exact location of this collapse. Is there any documentation on the quantity of sewer material/discharge released to the surrounding soil? Is there any information available on the remediation that occurred as a result of the collapse (e.g., sampling or excavation)?

b. Are there records of any other sewer collapses (or similar cases) along the Evandale Trunk located between N. Whisman Rd. and Highway 85? If so, please provide details on such events.

I checked with a retiree and we do not have any information on the parallel sewer main.

3. In general, the sewer videos provided to EPA showed water in the bottom half of the pipe. Is there a way to tell from the video if there is a crack or break below the water line within the pipe?

Requires specialized TV inspection.

4. Manhole overflows

a. Is the City aware of any sewer overflow events along the Gateway Easement segment of the sewer line (i.e., Manholes F5-056, F5-054, F5-052 and F5-034)? If so, please provide details on the events, including location, dates and estimated quantity of overflow. *None*

b. During the 1/16/2014 EPA meeting with the City, Mike Mulhearn stated that the earliest available data for sewer overflow events is from 2005. Please confirm that this date is correct.

That is correct

Previous EPA questions – still awaiting response:

1. Date the Ferguson line was abandoned.

File 7295 the sewer was abandoned as part of Whisman Park subdivision about 1997 , in conjunction with VTA construction.

2. A 6/4/1969 letter from the City of Mountain View discusses capacity issues along N. Whisman Rd, as well as provides several remedies. A 1973 engineering report also discusses capacity issues and remedies. One of the suggested remedies includes the installation of a dam on N. Whisman Rd that would divert sewer westward.

○ Were capacity issues along N. Whisman Rd addressed and if so, please provide what steps were taken.

○ Please provide all records discussing any capacity remedies/solutions that that were utilized between 1959 – the 1980s along N. Whisman Rd.

3. An undated engineering study (possibly 1964) of the East Trunk Sewer indicates that industrial waste from the major portion of the Ellis-Middlefield area was being lifted into the Evandale Trunk by means of a temporary pump station located at the intersection of N. Whisman and Fairchild Dr. A 1959 Vicinity Map of Improvement Plan also shows the sewer lift station at this location. The 1965 East Trunk Sewer Phase 2 plans indicate the pump and existing sewer line connected to the Evandale Ave line were removed at that time.

a. Please briefly describe how the pump station worked

b. Do you have any maintenance records for the pump station and the sewer lines connecting to the Evandale Trunk?

It would be helpful if you provide the source document for the pumping. Name of study and construction drawing.

If you review the construction drawings as matter of sequencing it may shed some light on the Evandale/ Whisman pump requirements. The Evandale was the “old” trunk main. When the

City of Mountain View partnered with Palo Alto a “new” trunk main was constructed. The Evandale sewer is higher than the “new” East trunk sewer. A temporary pump station might have been used for this

I will give you a call later this week to discuss how EPA can best obtain responses to our remaining questions.

Thank you!

Alana Lee

EPA Project Manager

Superfund Division

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